

Converting Colors

$Y_{xy}(40.2899, 0.2642, 0.2316)$

Have a look what the booklet for
Yxy(40.2899, 0.2642, 0.2316)
contains.

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Color

Yxy(40.3177, 0.2643, 0.2315)

Conversions

Conversions Part 1

Format	Color
Hex	B09FF0
RGB	176, 159, 240
RGB Percent	69%, 62%, 94%
CMY	0.3099, 0.3764, 0.0587
CMYK	0.27, 0.34, 0.00, 0.06
HSL	253°, 73%, 78%
HSV	253°, 34%, 94%
XYZ	46.0301, 40.3177, 87.8107
YIQ	173.3170, -15.8690, 28.7950

Conversions

Conversions Part 2

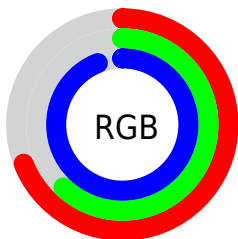
Format	Color
RYB	176, 159, 240
Decimal	11575280
CIELab	69.70, 23.27, -38.41
CIElCh	70, 44.913, 301.211
Yxy	40.3177, 0.2643, 0.2315
Android (android.graphics.Color)	4289765360 (0xFFB09FF0)
YUV	173.3170, 32.8747, 2.3530
Hunter-Lab	63.4962, 18.2810, -37.5465

Details

The Yxy color $40.3177, 0.2643, 0.2315$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $80.5318, 0.3513, 0.4169$, and the grayscale version is $41.7946, 0.3127, 0.3290$.

A 20% lighter version of the original color is $72.6368, 0.2992, 0.2871$, and $18.1137, 0.2500, 0.2065$ is the 20% darker color. If you saturate the color by 10%, you get $30.7909, 0.2464, 0.1980$, and if you desaturate by 10%, it is $51.7594, 0.2808, 0.2635$.

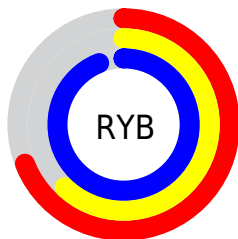
Distribution



Red (69%)

Green (62%)

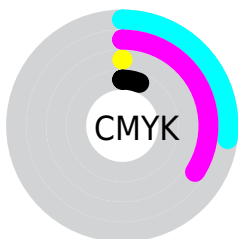
Blue (94%)



Red (69%)

Yellow (62%)

Blue (94%)

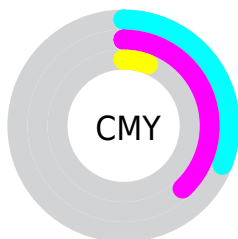


Cyan (27%)

Magenta (34%)

Yellow (0%)

Black (6%)



Cyan (31%)


Magenta (38%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3177, 0.2643, 0.2315 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 40.3177, 0.2643, 0.2315 by changing the saturation by 10% instead.


 40.3177, 0.2643,
0.2315


 40.3177, 0.2643,
0.2315

347.4608, 0.2892,
0.2779

 27.7863, 0.2580,
0.2208


 75.6471, 0.2734,
0.2477

 18.1647, 0.2500,
0.2075


 99.2138, 0.2769,
0.2540

 11.0683, 0.2393,
0.1908


127.2279, 0.2797,
0.2594

 6.1128, 0.2247,
0.1691

160.0736, 0.2822,
0.2641

 2.9138, 0.2038,
0.1405

198.1353, 0.2843,
0.2682

 1.0869, 0.1724,
0.1023

241.7975, 0.2862,

 0.0000, 0.1231,

0.2718

0.0000

291.4445, 0.2878,
0.2750

0.0000, 0.0000,
0.0000

40.3177, 0.2643,
0.2315

40.3177, 0.2643,
0.2315

30.7909, 0.2464,
0.1980

51.7594, 0.2808,
0.2635

23.0685, 0.2276,
0.1645

65.2089, 0.2955,
0.2930

17.0356, 0.2088,
0.1330

80.7588, 0.3083,
0.3197

12.5620, 0.1914,
0.1055

98.4844, 0.3195,
0.3435

9.4980, 0.1764,
0.0844

99.0726, 0.3214,
0.3434

■ 7.6630, 0.1649,
0.0706

■ 6.9783, 0.1595,
0.0653

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.3177, 0.2191, 0.2287



40.3177, 0.2643, 0.2315



40.3177, 0.3278, 0.2546

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.3177, 0.2643, 0.2315



40.3177, 0.4409, 0.3910



40.3177, 0.2339, 0.3631

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.3177, 0.2643, 0.2315



80.5318, 0.3513, 0.4169

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.3177, 0.2878, 0.4246



40.3177, 0.2643, 0.2315



40.3177, 0.4082, 0.4328

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.3177, 0.2643, 0.2315



40.3177, 0.4365, 0.3413



40.3177, 0.3517, 0.4498



40.3177, 0.2027, 0.2965

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.3177, 0.2643, 0.2315



40.3177, 0.3728, 0.2790



40.3177, 0.3517, 0.4498



40.3177, 0.2498, 0.3859

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.3193, 0.2643, 0.2315



81.1713, 0.3005, 0.3033



66.8783, 0.2623, 0.3098



16.8503, 0.2986, 0.2995



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.3193, 0.2643, 0.2315



37.9879, 0.2512, 0.2069



45.6470, 0.2962, 0.2399



15.3883, 0.3012, 0.3048



3.8651, 0.1607, 0.0659



0.3629, 0.1727, 0.0725

Inverse Universe

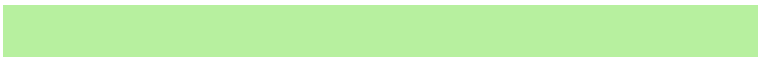
The Inverse Universe completely reimagines the original color for something new.



48.6578, 0.3310, 0.2612



49.1050, 0.3361, 0.2466



74.9422, 0.3236, 0.4252



15.9714, 0.3170, 0.3105



12.1892, 0.3822, 0.1879



1.0281, 0.3725, 0.1826

Previews

White Background



This preview shows how the Yxy color 40.3177, 0.2643, 0.2315 looks on a white background.

Color Contrast Check

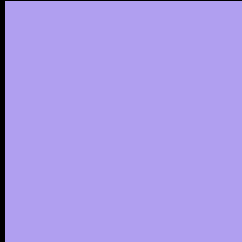
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 40.3177, 0.2643, 0.2315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

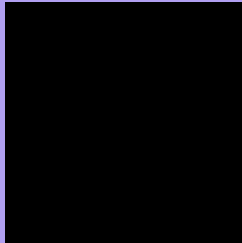
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3177, 0.2643, 0.2315

Background



This preview shows how black text looks on a background with the Yxy color 40.3177, 0.2643, 0.2315.



This preview shows how white text looks on a background with the Yxy color 40.3177, 0.2643, 0.2315.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.3177, 0.2643, 0.2315

Protanopia

40.6500, 0.2395, 0.2302

Deuteranopia

40.3814, 0.2463, 0.2399



Tritanopia

40.2095, 0.2969, 0.3097

Trichromacy



Original Color

40.3177, 0.2643, 0.2315

Protanomaly

40.5098, 0.2484, 0.2313

Deuteranomaly

40.4114, 0.2526, 0.2367

Tritanomaly

40.0671, 0.2847, 0.2789

Monochromacy



Original Color

40.3177, 0.2643, 0.2315

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.0352, 0.2943, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3177, 0.2643, 0.2315 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(176, 159, 240)` looks like.

```
.text, #text, p{  
    color:rgb(176, 159, 240)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(176, 159, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 159, 240) }
```

Border

The CSS property to change the border of an element to Yxy 40.3177, 0.2643, 0.2315 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 159, 240) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(176, 159, 240) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(176, 159, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 159, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 159, 240);  
box-shadow:4px 4px 4px 4px rgb(176, 159,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3177, 0.2643, 0.2315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 159, 240) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(176,  
159, 240) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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